

| | | |
|---|------------------------------------|--------------------|
| Form 1449* | Atty. Docket No.: 1528.034US1 | Serial No. Unknown |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | Applicant: Matthew C. Burch et al. | |
| | Filing Date: Herewith | Group: Unknown |

jc971 U.S. PRO
10/068992
02/08/02

U.S. PATENT DOCUMENTS

| **Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
|-----------------------|-----------------|------------|---------------------|-------|----------|-------------------------------|
| R | 4,774,671 | 09/27/1988 | Itoh et al. | 364 | 449 | 03/10/86 |
| R | 4,774,672 | 09/27/1988 | Tsunoda et al. | 364 | 449 | 03/10/86 |
| R | 5,537,324 | 07/16/1996 | Nimura et al. | 364 | 449 | 08/02/94 |
| R | 5,543,802 | 08/06/1996 | Villevieille et al. | 342 | 357 | 03/01/93 |
| R | 5,877,751 | 03/02/1999 | Kanemitsu et al. | 345 | 173 | 08/12/97 |
| R | 6,040,824 | 03/21/2000 | Maekawa et al. | 345 | 173 | 06/30/97 |
| R | 6,317,684 | 11/13/2001 | Roeseler et al. | 701 | 202 | 12/22/99 |
| R | 6,317,687 | 11/13/2001 | Morimoto et al. | 701 | 211 | 10/05/92 |
| R | 6,321,158 | 11/20/2001 | DeLorme et al. | 701 | 201 | 08/31/98 |

FOREIGN PATENT DOCUMENTS

| **Examiner Initial | Document Number | Date | Country | Class | Subclass | Translation Yes No |
|-----------------------|-----------------|------|---------|-------|----------|-----------------------|
|-----------------------|-----------------|------|---------|-------|----------|-----------------------|

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

| **Examiner Initial | |
|-----------------------|---|
| R | "An optimal pathfinder for vehicles in real-world digital terrain maps", http://www.nease.net/jamsoft/shortestpath/pathfinder/4.html , 11 pages, (1999) |
| R | "Informed Search Methods", <u>Artificial Intelligence, A Modern Approach</u> , Prentice Hall, Inc., pp. 92-115, (1995) |
| R | "Real-Time Vehicle Routing in Dynamic and Stochastic Urban Traffic Networks", http://www.gpu.srv.ualberta.ca/lfu/research.htm , pp. 1-3, (1997) |
| R | Ahuja, R., et al., "Faster Algorithms for the Shortest Path Problem", <u>Journal of the Association for Computing Machinery</u> , 37(2), pp. 213-223, (1990) |
| R | Cung, V., et al., "An Efficient Implementation of Parallel A *", <u>CFPAR</u> , Montreal, Canada, pp. 153-167, (1994) |
| R | Fredman, M., et al., "Fibonacci heaps and their uses in improved network optimization algorithms", <u>Journal of the ACM</u> , 34(3), 2 pages, (1987) |
| R | Fu, L., "Heuristic Shortest Path Algorithms and their Potential IVHS Applications", <u>Proceedings of the Fourth University of Alberta - University of Calgary, Joint Graduate Student Symposium in Transportation Engineering</u> , pp. 83-109, (1995) |
| R | Ikeda, T., et al., "A Fast Algorithm for Finding Better Routes by AI Search Techniques", <u>Vehicle Navigation and Information Systems Conference Proceedings</u> , pp. 291-296, (1994) |

| | |
|-----------------------------|--------------------------------|
| Examiner <u>R. M. Mecho</u> | Date Considered <u>6-21-02</u> |
|-----------------------------|--------------------------------|

*Substitute Disclosure Statement Form (PTO-1449)

**EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | |
|---|------------------------------------|--------------------|
| Form 1449* | Atty. Docket No.: 1528.034US1 | Serial No. Unknown |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | Applicant: Matthew C. Burch et al. | |
| | Filing Date: Herewith | Group: Unknown |

OTHER DOCUMENTS

**Examiner
Initial

(Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|---|---|
| R | Kaindl, H., et al., "Memory-Bounded Bidirectional Search", <u>Proceedings of the 12th National Conference on Art</u> , AAAI Press, Seattle, WA, pp. 1359-1364, (1994) |
| R | Laporte, G., "The Vehicle Routing Problem: An overview of exact and approximate algorithms", <u>European Journal of Operational Research</u> , 59, pp. 345-358, (1992) |
| R | Myers, B., "Data Structures for Best-First Search", http://www4.ncsu.edu/jbmyers/dsai.htm , pp. 1-6, (1997) |
| R | Ronngren, R., et al., "Parallel and Sequential Priority Queue Algorithms", <u>ACM Transactions on Modeling and Computer Simulation</u> , 7(2), pp. 168-172, 198, 199, (1997) |
| R | Stout, B., "Smart Moves: Intelligent Pathfinding", <u>Gamasutra</u> , http://www.gamasutra.com/features/programming/080197/pathfinding.htm , pp. 1-11, (1997) |
| R | Wai, L., et al., "Comparative Study of Shortest Path Algorithm for Transport Network", <u>USRP Report 2</u> , http://www.comp.nus.edu.sg/leonghoe/USRPReport-txt.html , pp. 1-10, (1999) |
| R | Zhan, F.B., "Three Fastest Shortest Path Algorithms on Real Road Networks: Data Structures and Procedures", <u>Journal of Geographic Information and Decision Analysis</u> , 1(1), http://www.geog.uwo.ca/gimda/journal/vol1.1/Zhan/Zhan.htm , 11 pages, (1997) |
| R | Zhao, Y., et al., "An Adaptive Route-Guidance Algorithm for Intelligent Vehicle Highway Systems", <u>American Control Conference</u> , Boston, MA, Department of Electrical Engineering and Computer Science, The University of Michigan, pp. 2568-2573, (1991) |

| | |
|------------------------------|--------------------------------|
| Examiner <u>Rain Mendoza</u> | Date Considered <u>6-21-02</u> |
|------------------------------|--------------------------------|

*Substitute Disclosure Statement Form (PTO-1449)

**EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.